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#45

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT AND
CORRESPONDENCE ADDRESS**

<i>Application Number</i>	10/060,945
<i>Filing Date</i>	January 30, 2002
<i>First Named Inventor</i>	John C. Carrick
<i>Group Art Unit</i>	
<i>Examiner Name</i>	
<i>Attorney Docket Number</i>	2376.2004-000

I/We hereby appoint

the attorneys/agents associated with **Customer No. 021005**
 Practitioner(s) named below:

as my/our attorneys/agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

Customer Number 021005
Hamilton, Brook, Smith & Reynolds, P.C.
530 Virginia Road
P.O. Box 9133
Concord, Massachusetts 01742-9133

Other _____

Please direct all telephone calls and facsimiles to:

Name Mary Lou Wakimura, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

Applicant/Inventor.

Authorized representative of the Assignee of the entire interest. See 37 C.F.R. 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

Authorized representative of an assignee together with [] of the entire interest. A separate Statement under 37 C.F.R. § 3.73(b) is enclosed.

SIGNATURE of Applicant or Assignee of Record

Name	KENNETH J. RUDOFSKI, TELLABS ASSIST. GEN'L COUNSEL, INTELL. PROP.
Signature	
Date	APRIL 15, 2002

Total of [1] forms are submitted.

STATEMENT UNDER 37 C.F.R. § 3.73(b)Applicant(s): John C. Carrick and Ronald A. HaberkornApplication No.: 10/060,945 Filed: January 30, 2002For: Swept Frequency Reflectometry Using An Optical Signal With Sinusoidal Modulation

Tellabs Operations, Inc., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

A. the assignee of the entire right, title and interest in the patent application identified above; or
B. an assignee together with [] of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

A. An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or a copy thereof is attached.

OR

B. A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: APRIL 15, 2002

Name: KENNETH J. RUDOFSKI

Title: ASSIST. GEN'L COUNSEL, INTELL-PROP.

Signature: Ken J. Rudofski

ASSIGNMENT

WHEREAS, we, **John C. Carrick and Ronald A. Haberkorn**, have invented a certain improvement in **Swept Frequency Reflectometry Using An Optical Signal With Sinusoidal Modulation** described in an application for Letters Patent of the United States, the specification of which:

[] is being executed on even date herewith and is about to be filed in the United States Patent Office;

[X] was filed on **January 30, 2002** as Application No. **10/060,945**;

[] was patented under U.S. Patent No. [] on [].

WHEREAS, **Tellabs Operations, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **1415 West Diehl Road, Naperville IL 60563** desires to acquire an interest therein in accordance with agreements duly entered into with us;

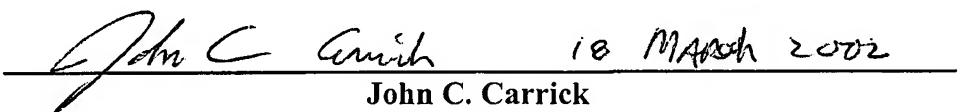
NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:

 18 March 2002

John C. Carrick

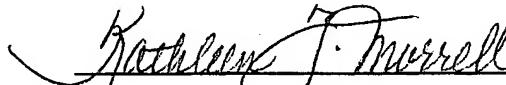
State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named **John C. Carrick** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 18th day of MARCH, 2002.

(SEAL)

 Notary Public

KATHLEEN F. MORELL (print name)

My Commission expires 11/5/04

KATHLEEN F. MORELL

Notary Public

My Commission Expires Nov. 5, 2004

Inventor's Signature: Ronald A. Haberkorn

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named **Ronald A. Haberkorn** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20 ____.

(SEAL)

Notary Public

(print name)

My Commission expires _____ / _____ / _____

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____ **John C. Carrick**

State/Commonwealth
of _____

County of _____

Then personally appeared before me the above-named **John C. Carrick** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20 _____. _____

(SEAL) _____ Notary Public

_____ (print name)

My Commission expires _____ / _____ / _____

JointASSIGNMENT

WHEREAS, we, **John C. Carrick and Ronald A. Haberkorn**, have invented a certain improvement in **Swept Frequency Reflectometry Using An Optical Signal With Sinusoidal Modulation** described in an application for Letters Patent of the United States, the specification of which:

[] is being executed on even date herewith and is about to be filed in the United States Patent Office;

[X] was filed on **January 30, 2002** as Application No. **10/060,945**;

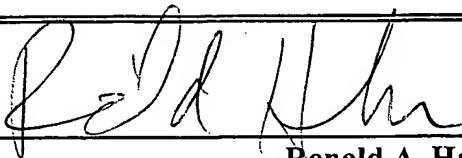
[] was patented under U.S. Patent No. [] on [].

WHEREAS, **Tellabs Operations, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **1415 West Diehl Road, Naperville IL 60563** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

Inventor's Signature:



Ronald A. Haberkorn

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named **Ronald A. Haberkorn** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 23rd day of March, 2002.

(SEAL)



Notary Public

Martha A. Wilson (print name)

My Commission expires 07/16/2004